

10 / 623,930

WEST Search History

DATE: Wednesday, March 15, 2006

| <u>Hide?</u> | <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> |
|--------------------------|-----------------|--|------------------|
| | | <i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i> | |
| <input type="checkbox"/> | L1 | micro-rnas or micornas or micro-rna or micro-rna | 456 |
| <input type="checkbox"/> | L2 | L1 and plant | 385 |
| <input type="checkbox"/> | L3 | L2 and (transgenic or transform?) | 289 |
| <input type="checkbox"/> | L4 | L3 and (RNAi or RNA interference) | 282 |

END OF SEARCH HISTORY

10/623,930

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PASSWORD:

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| | | | |
|------|---------|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | DEC 05 | CASREACT(R) - Over 10 million reactions available |
| NEWS | 4 | DEC 14 | 2006 MeSH terms loaded in MEDLINE/LMEDLINE |
| NEWS | 5 | DEC 14 | 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER |
| NEWS | 6 | DEC 14 | CA/CAPLUS to be enhanced with updated IPC codes |
| NEWS | 7 | DEC 21 | IPC search and display fields enhanced in CA/CAPLUS with the IPC reform |
| NEWS | 8 | DEC 23 | New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2 |
| NEWS | 9 | JAN 13 | IPC 8 searching in IFIPAT, IFIUDB, and IFICDB |
| NEWS | 10 | JAN 13 | New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC |
| NEWS | 11 | JAN 17 | Pre-1988 INPI data added to MARPAT |
| NEWS | 12 | JAN 17 | IPC 8 in the WPI family of databases including WPIFV |
| NEWS | 13 | JAN 30 | Saved answer limit increased |
| NEWS | 14 | JAN 31 | Monthly current-awareness alert (SDI) frequency added to TULSA |
| NEWS | 15 | FEB 21 | STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results |
| NEWS | 16 | FEB 22 | Status of current WO (PCT) information on STN |
| NEWS | 17 | FEB 22 | The IPC thesaurus added to additional patent databases on STN |
| NEWS | 18 | FEB 22 | Updates in EPFULL; IPC 8 enhancements added |
| NEWS | 19 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS | 20 | FEB 28 | MEDLINE/LMEDLINE reload improves functionality |
| NEWS | 21 | FEB 28 | TOXCENTER reloaded with enhancements |
| NEWS | 22 | FEB 28 | REGISTRY/ZREGISTRY enhanced with more experimental spectral property data |
| NEWS | 23 | MAR 01 | INSPEC reloaded and enhanced |
| NEWS | 24 | MAR 03 | Updates in PATDPA; addition of IPC 8 data without attributes |
| NEWS | 25 | MAR 08 | X.25 communication option no longer available after June 2006 |
| NEWS | EXPRESS | | FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/ |
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| NEWS | INTER | | General Internet Information |
| NEWS | LOGIN | | Welcome Banner and News Items |
| NEWS | PHONE | | Direct Dial and Telecommunication Network Access to STN |
| NEWS | WWW | | CAS World Wide Web Site (general information) |

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:57:05 ON 15 MAR 2006

=> e agricola caplus biosis
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
The EXPAND command is used to look at the index in a file which has an index. This file does not have an index.

=> file agricola caplus biosis

| | | |
|----------------------|------------------|---------------|
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'AGRICOLA' ENTERED AT 11:57:32 ON 15 MAR 2006

FILE 'CAPLUS' ENTERED AT 11:57:32 ON 15 MAR 2006
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FILE 'BIOSIS' ENTERED AT 11:57:32 ON 15 MAR 2006
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=> s (micro-RNAs or microRNA or microRNAs or micro-Rna)
L1 2250 (MICRO-RNAS OR MICRORNA OR MICRORNAS OR MICRO-RNA)

=> S l1 and plant
L2 708 L1 AND PLANT

=> s l2 and (transgenic or transform?)
L3 67 L2 AND (TRANSGENIC OR TRANSFORM?)

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 42 DUP REM L3 (25 DUPLICATES REMOVED)

=> d l4 1-20

L4 ANSWER 1 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:103628 CAPLUS
DN 144:188279
TI Methods and antisense RNA oligonucleotides for non-systemic gene suppression in **plants** and **plant** pathogens
IN Huang, Shihshieh; Gilbertson, Larry A.
PA USA
SO U.S. Pat. Appl. Publ., 12 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------------|------|----------|-----------------|----------|
| PI US 2006026711 | A1 | 20060202 | US 2005-186196 | 20050720 |
| PRAI US 2004-589643P | P | 20040721 | | |

L4 ANSWER 2 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:198263 CAPLUS
TI **MicroRNA**-guided processing impairs Plum pox virus replication,

but the virus readily evolves to escape this silencing mechanism

AU Simon-Mateo, Carmen; Garcia, Juan Antonio
CS Centro Nacional de Biotecnologia, CSIC, Madrid, 28049, Spain
SO Journal of Virology (2006), 80(5), 2429-2436
CODEN: JOVIAM; ISSN: 0022-538X
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 42 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2006) on STN DUPLICATE 1

AN 2006:16108 AGRICOLA
DN IND43776724
TI Regulation of Phosphate Homeostasis by **MicroRNA** in Arabidopsis.
AU Chiou, Tzyy-Jen; Aung, Kyaw; Lin, Shu-I; Wu, Chia-Chune; Chiang, Su-Fen;
Su, Chun-lin
AV DNAL (QK725.P532)
SO Plant cell, 2006 Feb. Vol. 18, no. 2 p. 412-421
ISSN: 1040-4651
NTE Includes references
DT Article
FS Other US
LA English

L4 ANSWER 4 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:83570 CAPLUS
TI Induction, suppression and requirement of RNA silencing pathways in
virulent Agrobacterium tumefaciens infections
AU Dunoyer, Patrice; Himber, Christophe; Voinnet, Olivier
CS CNRS UPR2357, IBMP, Strasbourg, Fr.
SO Nature Genetics (2006), 38(2), 258-263
CODEN: NGENEC; ISSN: 1061-4036
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:490431 CAPLUS
DN 143:39107
TI Nucleic acid construct comprising miRNA for any specific target sequence
and uses for gene silencing in **plants**
IN Aukerman, Milo J.
PA E. I. du Pont de Nemours and Company, USA
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2005052170 | A2 | 20050609 | WO 2004-US33453 | 20041012 |
| | WO 2005052170 | A3 | 20051006 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

US 2005120415 A1 20050602 US 2004-963238 20041012
US 2005138689 A1 20050623 US 2004-963394 20041012
PRAI US 2003-509958P P 20031009

L4 ANSWER 6 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:347177 CAPLUS

DN 142:405515

TI Methods and nucleic acid constructs, encoding hairpin-forming miRNAs and
miRNA cassette templates, for inhibiting expression of target sequences in
plant cells

IN Aukerman, Milo J.

PA E. I. du Pont de Nemours and Company, USA

SO PCT Int. Appl., 99 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|---|----------|-----------------|----------|
| PI | WO 2005035769 | A2 | 20050421 | WO 2004-US33462 | 20041012 |
| | WO 2005035769 | A3 | 20050602 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 2005120415 | A1 | 20050602 | US 2004-963238 | 20041012 |
| | US 2005138689 | A1 | 20050623 | US 2004-963394 | 20041012 |
| PRAI | US 2003-509958P | P | 20031009 | | |

L4 ANSWER 7 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:324274 CAPLUS

DN 142:350052

TI Methods for rapid detection and identification of bioagents containing
microRNA in clinical and environmental samples using nucleic acid
amplification and mass spectrometry

IN Griffey, Richard H.; Ecker, David J.

PA Isis Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|---|----------|-----------------|----------|
| PI | WO 2005033271 | A2 | 20050414 | WO 2004-US28869 | 20040907 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, | | | |

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

US 2005123952 A1 20050609 US 2004-933928 20040903
PRAI US 2003-500722P P 20030904
US 2003-504147P P 20030917

L4 ANSWER 8 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:14534 CAPLUS

DN 142:110554

TI **MicroRNAs** which modulate APETALA2 (AP2) expression levels for
production of fruit-free, pollen-free **transgenic plants**
with large showy flowers

IN Chen, Xuemei

PA Rutgers, the State University of New Jersey, USA

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2005001045 | A2 | 20050106 | WO 2004-US17358 | 20040601 |
| | WO 2005001045 | A3 | 20050804 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |

PRAI US 2003-474289P P 20030529

L4 ANSWER 9 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1004343 CAPLUS

DN 143:300304

TI Methods and tRNA vector system for delivery of siRNA, **micro-RNA** and antisense RNA to cells for treatment of genetic diseases, inflammation and pain

IN Thomann, Ulrich; Stange-Thomann, Nicole

PA USA

SO U.S. Pat. Appl. Publ., 17 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | US 2005203047 | A1 | 20050915 | US 2005-76471 | 20050309 |
| | WO 2005086896 | A2 | 20050922 | WO 2005-US7903 | 20050309 |
| | WO 2005086896 | A3 | 20060209 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, | | | |

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG

PRAI US 2004-551921P P 20040310

L4 ANSWER 10 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1125600 CAPLUS
DN 143:400769
TI Means and method for modifying the biomass of **plants**
IN Weigel, Detlef; Schwab, Rebecca
PA Max-Planck-Gesellschaft zur Foerderung Der Wissenschaften E.V., Germany
SO Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | EP 1586651 | A1 | 20051019 | EP 2004-8748 | 20040413 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| | WO 2005100574 | A1 | 20051027 | WO 2005-EP3896 | 20050413 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRAI EP 2004-8748 A 20040413
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:17716 CAPLUS
TI RDR6 has a broad-spectrum but temperature-dependent antiviral defense role in *Nicotiana benthamiana*
AU Qu, Feng; Ye, Xiaohong; Hou, Guichuan; Sato, Shirley; Clemente, Thomas E.; Morris, T. Jack
CS School of Biological Sciences, University of Nebraska-Lincoln, Lincoln, NE, 68588-0666, USA
SO Journal of Virology (2005), 79(24), 15209-15217
CODEN: JOVIAM; ISSN: 0022-538X
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2
AN 2005:683726 CAPLUS
DN 143:281132
TI **MicroRNA**-binding viral protein interferes with Arabidopsis development
AU Chellappan, Padmanabhan; Vanitharani, Ramachandran; Fauquet, Claude M.
CS Donald Danforth Plant Science Center, International Laboratory for Tropical Agricultural Biotechnology, St. Louis, MO, 63132, USA
SO Proceedings of the National Academy of Sciences of the United States of America (2005), 102(29), 10381-10386

CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(2006) on STN DUPLICATE 3

AN 2005:61602 AGRICOLA

DN IND43731321

TI microRNA172 down-regulates glossy15 to promote vegetative phase change in
maize.

AU Lauter, N.; Kampani, A.; Carlson, S.; Goebel, M.; Moose, S.P.

SO Proceedings of the National Academy of Sciences of the United States of
America, 2005 June 28 Vol. 102, no. 26 p. 9412-9417
ISSN: 0027-8424

NTE Includes references

DT Article; Conference

FS Other US

LA English

L4 ANSWER 14 OF 42 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2006) on STN DUPLICATE 4

AN 2005:89776 AGRICOLA

DN IND43758238

TI Ectopic DICER-LIKE1 Expression in Pl/HC-Pro Arabidopsis Rescues Phenotypic
Anomalies but Not Defects in **MicroRNA** and Silencing Pathways.

AU Mlotshwa, Sizolwenkosi; Schauer, Stephen E.; Smith, Trenton H.; Mallory,
Allison C.; Herr, J.M.; Roth, Braden; Merchant, Delwin S.; Ray, Animesh;
Bowman, Lewis H.; Vance, Vicki B.

AV DNAL (QK725.P532)

SO Plant cell, 2005 Nov. Vol. 17, no. 11 p. 2873-2885
ISSN: 1040-4651

NTE Includes references

DT Article

FS Other US

LA English

L4 ANSWER 15 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 5

AN 2005:1254039 CAPLUS

DN 144:84352

TI A miRNA Involved in Phosphate-Starvation Response in Arabidopsis

AU Fujii, Hiroaki; Chiou, Tzyy-Jen; Lin, Shu-I.; Aung, Kyaw; Zhu, Jian-Kang

CS Institute for Integrative Genome Biology and Department of Botany and
Plant Sciences, University of California, Riverside, Riverside, CA, 92521,
USA

SO Current Biology (2005), 15(22), 2038-2043

CODEN: CUBLE2; ISSN: 0960-9822

PB Cell Press

DT Journal

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2006) on STN DUPLICATE 6

AN 2005:59047 AGRICOLA

DN IND43708223
 TI **MicroRNA** Directs mRNA Cleavage of the Transcription Factor NAC1
 to Downregulate Auxin Signals for Arabidopsis Lateral Root Development.
 AU Guo, Hui-Shan; Xie, Qi; Fei, Ji-Feng; Chua, Nam-Hai
 SO Plant cell, 2005 May Vol. 17, no. 5 p. 1376-1386
 ISSN: 1040-4651
 NTE Includes references
 DT Article
 FS Other US
 LA English

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 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2006) on STN DUPLICATE 7
 AN 2005:36491 AGRICOLA
 DN IND43708197
 TI The Arabidopsis GAMYB-Like Genes, MYB33 and MYB65, Are **MicroRNA**
 -Regulated Genes That Redundantly Facilitate Anther Development.
 AU Millar, Anthony A.; Gubler, Frank
 AV DNAL (QK725.P532)
 SO Plant cell, 2005 Mar. Vol. 17, no. 3 p. 705-721
 ISSN: 1040-4651
 NTE Includes references
 DT Article
 FS Other US
 LA English

L4 ANSWER 18 OF 42 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2006) on STN
 AN 2005:92969 AGRICOLA
 DN IND43761874
 TI Cell-to-cell movement of Potato Potexvirus X is dependent on suppression
 of RNA silencing.
 AU Bayne, E.H.; Rakitina, D.V.; Morozov, S.Y.; Baulcombe, D.C.
 AV DNAL (QK710.P68)
 SO Plant journal, 2005 Nov. Vol. 44, no. 3 p. 471-482
 ISSN: 0960-7412
 NTE Includes references
 DT Article
 FS Non-US
 LA English

L4 ANSWER 19 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 8
 AN 2005:150195 CAPLUS
 DN 142:407686
 TI The early extra petals1 Mutant Uncovers a Role for **MicroRNA**
 miR164c in Regulating Petal Number in Arabidopsis
 AU Baker, Catherine C.; Sieber, Patrick; Wellmer, Frank; Meyerowitz, Elliot
 M.
 CS Division of Biology, California Institute of Technology, Pasadena, CA,
 91125, USA
 SO Current Biology (2005), 15(4), 303-315
 CODEN: CUBLE2; ISSN: 0960-9822
 PB Cell Press
 DT Journal
 LA English
 RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 42 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States

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(2006) on STN DUPLICATE 9

AN 2005:74906 AGRICOLA
DN IND43744480
TI Loss of Function of OsDCL1 Affects **MicroRNA** Accumulation and
Causes Developmental Defects in Rice.
AU Liu, Bin; Li, PingChuan; Li, Xin; Liu, ChunYan; Cao, ShouYun; Chu,
ChengCai; Cao, XiaoFeng
AV DNAL (450 P692)
SO Plant physiology, 2005 Sep. Vol. 139, no. 1 p. 296-305
ISSN: 0032-0889
NTE Includes references
DT Article
FS Other US
LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 43.22 | 43.43 |

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LAST RELOADED: Mar 10, 2006 (20060310/UP).

=> d 14 21-42

YOU HAVE REQUESTED DATA FROM FILE 'AGRICOLA, CAPLUS, BIOSIS' - CONTINUE? (Y)/N:y

L4 ANSWER 21 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1231689 CAPLUS
DN 144:206393
TI RNA interference - a powerful tool for regulation of gene expression
AU Struncova, S.; Borska, R.; Kusenda, B.; Mejstrik, P.; Dvorakova, D.;
Mayer, J.; Pospisilova, S.
CS Internal Hematological Clinic, Fac. Hospital, Center for Molecular Biology
Gene Therapy, Brno, Czech Rep.
SO Biologicke Listy (2005), 70(3), 231-247
CODEN: BILIAC; ISSN: 0366-0486
PB Ustav Molekularni Genetiky AV CR
DT Journal; General Review
LA Czech

L4 ANSWER 22 OF 42 AGRICOLA Compiled and distributed by the National
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(2006) on STN DUPLICATE 10

AN 2005:57997 AGRICOLA
DN IND43694120
TI **MicroRNA**-directed cleavage of ATHB15 mRNA regulates vascular
development in Arabidopsis inflorescence stems.
AU Kim, J.; Jung, J.H.; Reyes, J.L.; Kim, Y.S.; Kim, S.Y.; Chung, K.S.; Kim,
J.A.; Lee, M.; Lee, Y.; Kim, V.N.
AV DNAL (QK710.P68)
SO Plant journal, 2005 Apr. Vol. 42, no. 1 p. 84-94
ISSN: 0960-7412
NTE Includes references
DT Article

FS Non-US
LA English

L4 ANSWER 23 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2005:483332 BIOSIS
DN PREV200510287331
TI Small RNAs and abiotic stress responses.
AU Sunkar, Ramanjulu [Reprint Author]; Zhu, Jian-Kan
CS Univ Calif Riverside, Inst Integrat Genome Biol, Riverside, CA 92521 USA
SO Plant and Cell Physiology, (2005) Vol. 46, No. Suppl. S, pp. S8.
Meeting Info.: 46th Annual Meeting of the Japanese-Society-of-Plant-Physiologists. Niigata, JAPAN. March 24 -26, 2005. Japanese Soc Plant Physiologists.
CODEN: PCPHA5. ISSN: 0032-0781.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 16 Nov 2005
Last Updated on STN: 16 Nov 2005

L4 ANSWER 24 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:634177 CAPLUS
DN 141:168952
TI computational methods of identifying novel **microRNA** (miRNA)
IN Cohen, Stephen; Brennecke, Julius; Russell, Robert B.; Stark, Alexander
PA European Molecular Biology Laboratory, Germany
SO PCT Int. Appl., 107 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004066183 | A2 | 20040805 | WO 2004-IB620 | 20040122 |
| | WO 2004066183 | A3 | 20041202 | | |
| | W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ | | | | |
| PRAI | GB 2003-1459 | A | 20030122 | | |
| | GB 2003-17991 | A | 20030731 | | |

L4 ANSWER 25 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:453374 CAPLUS
DN 141:2376
TI Sequences of Arabidopsis thaliana hydroxypyruvate reductase (HPR) gene promoters and methods of use thereof in **plants**
IN Huang, Yafan; Wang, Yang
PA Performance Plants, Inc., Can.
SO PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 2004046362 | A2 | 20040603 | WO 2003-IB6390 | 20031118 |
| | WO 2004046362 | A3 | 20041028 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, | | | | |

GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2506547 AA 20040603 CA 2003-2506547 20031118
 AU 2003300673 A1 20040615 AU 2003-300673 20031118
 PRAI US 2002-427204P P 20021118
 WO 2003-IB6390 W 20031118

L4 ANSWER 26 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:80843 CAPLUS
 DN 140:123733
 TI Modulation of gene expression in **plants** via siRNA and miRNA
 pathway
 IN Vance Bowman, Vicki; Bowman, Lewis Howard; Mallory, Allison
 PA University of South Carolina, USA
 SO PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004009779 | A2 | 20040129 | WO 2003-US22718 | 20030721 |
| | WO 2004009779 | A3 | 20040902 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2492917 | AA | 20040129 | CA 2003-2492917 | 20030721 |
| | US 2004268441 | A1 | 20041230 | US 2003-623930 | 20030721 |
| | EP 1551967 | A2 | 20050713 | EP 2003-765827 | 20030721 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| PRAI | US 2002-397487P | P | 20020719 | | |
| | WO 2003-US22718 | W | 20030721 | | |

L4 ANSWER 27 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 11
 AN 2004:686531 CAPLUS
 DN 141:391983
 TI Modulation of floral development by a gibberellin-regulated
microRNA
 AU Achard, Patrick; Herr, Alan; Baulcombe, David C.; Harberd, Nicholas P.
 CS Department of Cell and Developmental Biology, John Innes Centre, Norwich,
 NR4 7UH, UK
 SO Development (Cambridge, United Kingdom) (2004), 131(14), 3357-3365
 CODEN: DEVPED; ISSN: 0950-1991
 PB Company of Biologists Ltd.
 DT Journal
 LA English
 RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 28 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:774481 CAPLUS
 DN 141:389712
 TI In vivo investigation of the transcription, processing, endonucleolytic activity, and functional relevance of the spatial distribution of a **plant** miRNA
 AU Parizotto, Eneida Abreu; Dunoyer, Patrice; Rahm, Nadia; Himber, Christophe; Voinnet, Olivier
 CS Institut de Biologie Moleculaire des Plantes du CNRS, Strasbourg, 67084, Fr.
 SO Genes & Development (2004), 18(18), 2237-2242
 CODEN: GEDEEP; ISSN: 0890-9369
 PB Cold Spring Harbor Laboratory Press
 DT Journal
 LA English
 RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 29 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN
 AN 2004:36686 AGRICOLA
 DN IND43636641
 TI **MicroRNA**-directed cleavage of *Nicotiana sylvestris* PHAVOLUTA mRNA regulates the vascular cambium and structure of apical meristems.
 AU McHale, N.A.; Koning, R.E.
 AV DNAL (QK725.P532)
 SO Plant cell, 2004 July Vol. 16, no. 7 p. 1730-1740
 ISSN: 1040-4651
 NTE Includes references
 DT Article
 FS Other US
 LA English

L4 ANSWER 30 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:437940 CAPLUS
 DN 141:152053
 TI Viral virulence protein suppresses RNA silencing-mediated defense but upregulates the role of **microRNA** in host gene expression
 AU Chen, Jun; Li, Wan Xiang; Xie, Daoxin; Peng, Jin Rong; Ding, Shou Wei
 CS Institute of Molecular and Cell Biology Department of Biological Sciences, National University of Singapore, Singapore, 117609, Singapore
 SO Plant Cell (2004), 16(5), 1302-1313
 CODEN: PLCEEW; ISSN: 1040-4651
 PB American Society of Plant Biologists
 DT Journal
 LA English
 RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 31 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN
 AN 2004:41297 AGRICOLA
 DN IND43641689
 TI Probing the **microRNA** and small interfering RNA pathways with virus-encoded suppressors of RNA silencing.
 AU Dunoyer, P.; Lecellier, C.H.; Parizotto, E.A.; Himber, C.; Voinnet, O.
 AV DNAL (QK725.P532)
 SO Plant cell, 2004 May Vol. 16, no. 5 p. 1235-1250
 ISSN: 1040-4651
 NTE Includes references
 DT Article

FS Other US
LA English

L4 ANSWER 32 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 12
AN 2004:434915 CAPLUS
DN 141:49130
TI The action of ARGONAUTE1 in the miRNA pathway and its regulation by the miRNA pathway are crucial for **plant** development
AU Vaucheret, Herve; Vazquez, Franck; Crete, Patrice; Bartel, David P.
CS Laboratoire de Biologie Cellulaire, Institut Jean-Pierre Bourgin, INRA, Versailles, 78026, Fr.
SO Genes & Development (2004), 18(10), 1187-1197
CODEN: GEDEEP; ISSN: 0890-9369
PB Cold Spring Harbor Laboratory Press
DT Journal
LA English
RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 33 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 13
AN 2004:434914 CAPLUS
DN 141:35142
TI Viral RNA silencing suppressors inhibit the **microRNA** pathway at an intermediate step
AU Chapman, Elisabeth J.; Prokhnevsky, Alexey I.; Gopinath, Kodetham; Dolja, Valerian V.; Carrington, James C.
CS Department of Botany and Plant Pathology, Oregon State University, Corvallis, OR, 97331, USA
SO Genes & Development (2004), 18(10), 1179-1186
CODEN: GEDEEP; ISSN: 0890-9369
PB Cold Spring Harbor Laboratory Press
DT Journal
LA English
RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 34 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 14
AN 2004:1013277 CAPLUS
DN 142:110447
TI **MicroRNA** binding sites in Arabidopsis class III HD-ZIP mRNAs are required for methylation of the template chromosome
AU Bao, Ning; Lye, Khar-Wai; Barton, M. Kathryn
CS Program in Plant Breeding and Plant Genetics, University of Wisconsin, Madison, WI, 53706, USA
SO Developmental Cell (2004), 7(5), 653-662
CODEN: DCEEBE; ISSN: 1534-5807
PB Cell Press
DT Journal
LA English
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 35 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:684653 CAPLUS
DN 141:326277
TI Advances in study of RNA interference and its botanical significance
AU Niu, Lili; An, Lijia
CS Department of Bioscience and Biotechnology, Dalian University of Technology, Dalian, 116024, Peop. Rep. China
SO Fenzi Zhiwu Yuzhong (2004), 2(3), 429-435
CODEN: FZYEO; ISSN: 1672-416X
PB Fenzi Zhiwu Yuzhong Bianjibu
DT Journal; General Review
LA Chinese

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(2006) on STN DUPLICATE 15

AN 2004:26376 AGRICOLA
DN IND43629097
TI amphivasal vascular bundle 1, a gain-of function mutation of the IFL1/REV
genes, is associated with alterations in the polarity of leaves, stems and
carpels.
AU Zhong, R.; Ye, Z.H.
AV DNAL (450 P699)
SO Plant and cell physiology, 2004 Apr. Vol. 45, no. 4 p. 369-385
ISSN: 0032-0781
NTE Includes references
DT Article
FS Non-US
LA English

L4 ANSWER 37 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:298819 CAPLUS
DN 140:401846
TI **MicroRNAs**: tiny but not trivial
AU Tam, Wayne
CS Department of Pathology & Laboratory Medicine, Weill Medical College of
Cornell University, New York, NY, 10021, USA
SO Current Genomics (2004), 5(3), 191-205
CODEN: CGUEA8; ISSN: 1389-2029
PB Bentham Science Publishers Ltd.
DT Journal; General Review
LA English
RE.CNT 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 38 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:880071 CAPLUS
DN 142:332854
TI Progress on the post-transcriptional gene silencing mechanism and
correspondent strategy in **transgenic plants**
AU Wang, Yuying; Fu, Chang; Sun, Cheng; Huang, Yongfen
CS School of Life and Environmental Science, Harbin Normal University,
Harbin, 150080, Peop. Rep. China
SO Zhongguo Shengwu Gongcheng Zazhi (2004), 24(6), 43-47
CODEN: ZSGZAW; ISSN: 1671-8135
PB Zhongguo Shengwu Gongcheng Zazhishe
DT Journal; General Review
LA Chinese

L4 ANSWER 39 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 16
AN 2003:555276 CAPLUS
DN 139:193083
TI Evidence for nuclear processing of **plant micro**
RNA and short interfering RNA precursors
AU Papp, Istvan; Mette, M. Florian; Aufsatz, Werner; Daxinger, Lucia;
Schauer, Stephen E.; Ray, Animesh; van der Winden, Johannes; Matzke,
Marjori; Matzke, Antonius J. M.
CS Institute of Molecular Biology, Austrian Academy of Sciences, Salzburg,
A-5020, Austria
SO Plant Physiology (2003), 132(3), 1382-1390
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Biologists
DT Journal
LA English
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD

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(2006) on STN DUPLICATE 17

AN 2003:17653 AGRICOLA
DN IND23313836
TI Low temperature inhibits RNA silencing-mediated defence by the control of
siRNA generation.
AU Szittya, G.; Silhavy, D.; Molnar, A.; Havelda, Z.; Lovas, A.; Lakatos, L.;
Banfalvi, Z.; Burgyan, J.
AV DNAL (QH506.E46)
SO The EMBO journal, Feb 3, 2003. Vol. 22, No. 3. p. 633-640
Publisher: Oxford, U.K. : Oxford University Press.
CODEN: EMJODG; ISSN: 0261-4189
NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

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of America. It contains copyrighted materials. All rights reserved.
(2006) on STN DUPLICATE 18

AN 2003:36200 AGRICOLA
DN IND23327158
TI A viral suppressor of RNA silencing differentially regulates the
accumulation of short interfering RNAs and **micro-RNAs**
in tobacco.
AU Mallory, A.C.; Reinhart, B.J.; Bartel, D.; Vance, V.B.; Bowman, L.H.
AV DNAL (500 N21P)
SO Proceedings of the National Academy of Sciences of the United States of
America, Nov 12, 2002. Vol. 99, No. 23. p. 15228-15233
Publisher: Washington, D.C. : National Academy of Sciences,
CODEN: PNASA6; ISSN: 0027-8424
NTE Includes references
CY District of Columbia; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L4 ANSWER 42 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:184441 CAPLUS
DN 137:73904
TI RNAi: nature abhors a double-strand
AU Hutvagner, Gyorgy; Zamore, Phillip D.
CS Department of Biochemistry and Molecular Pharmacology, University of
Massachusetts Medical School, Worcester, MA, 01655, USA
SO Current Opinion in Genetics & Development (2002), 12(2), 225-232
CODEN: COGDET; ISSN: 0959-437X
PB Elsevier Science Ltd.
DT Journal; General Review
LA English

RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 11:57:32 ON 15 MAR 2006

=> d his

(FILE 'HOME' ENTERED AT 11:57:05 ON 15 MAR 2006)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 11:57:32 ON 15 MAR 2006

L1 2250 S (MICRO-RNAS OR MICRORNA OR MICRORNAS OR MICRO-RNA)

L2 708 S L1 AND PLANT

L3 67 S L2 AND (TRANSGENIC OR TRANSFORM?)

L4 42 DUP REM L3 (25 DUPLICATES REMOVED)

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FILE 'STNGUIDE' ENTERED AT 12:05:46 ON 15 MAR 2006

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| NEWS | 5 | DEC 14 | 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER |
| NEWS | 6 | DEC 14 | CA/CAPLUS to be enhanced with updated IPC codes |
| NEWS | 7 | DEC 21 | IPC search and display fields enhanced in CA/CAPLUS with the IPC reform |
| NEWS | 8 | DEC 23 | New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2 |
| NEWS | 9 | JAN 13 | IPC 8 searching in IFIPAT, IFIUDB, and IFICDB |
| NEWS | 10 | JAN 13 | New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC |
| NEWS | 11 | JAN 17 | Pre-1988 INPI data added to MARPAT |
| NEWS | 12 | JAN 17 | IPC 8 in the WPI family of databases including WPIFV |
| NEWS | 13 | JAN 30 | Saved answer limit increased |
| NEWS | 14 | JAN 31 | Monthly current-awareness alert (SDI) frequency added to TULSA |
| NEWS | 15 | FEB 21 | STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results |
| NEWS | 16 | FEB 22 | Status of current WO (PCT) information on STN |
| NEWS | 17 | FEB 22 | The IPC thesaurus added to additional patent databases on STN |
| NEWS | 18 | FEB 22 | Updates in EPFULL; IPC 8 enhancements added |
| NEWS | 19 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS | 20 | FEB 28 | MEDLINE/LMEDLINE reload improves functionality |
| NEWS | 21 | FEB 28 | TOXCENTER reloaded with enhancements |
| NEWS | 22 | FEB 28 | REGISTRY/ZREGISTRY enhanced with more experimental spectral property data |
| NEWS | 23 | MAR 01 | INSPEC reloaded and enhanced |
| NEWS | 24 | MAR 03 | Updates in PATDPA; addition of IPC 8 data without attributes |
| NEWS | 25 | MAR 08 | X.25 communication option no longer available after June 2006 |
| NEWS EXPRESS | | | FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/ |
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"HELP COMMANDS" at an arrow prompt (=>).

| | | |
|--------------------------------|------------|---------|
| => file agricola caplus biosis | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.21 | 0.21 |

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=> s (rna interference or RNAi)
L1 13271 (RNA INTERFERENCE OR RNAI)

=> s plant
L2 3807997 PLANT

=> s (transgenic or transform?)
L3 1020723 (TRANSGENIC OR TRANSFORM?)

=> s l1 and l2 and l3
L4 541 L1 AND L2 AND L3

=> s (micro-rnas or micrornas or micro-rna or microrna)
L5 2250 (MICRO-RNAS OR MICRORNAS OR MICRO-RNA OR MICRORNA)

=> s l4 and l5
L6 14 L4 AND L5

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7 12 DUP REM L6 (2 DUPLICATES REMOVED)

=> d 17 1-12

L7 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:103628 CAPLUS
DN 144:188279
TI Methods and antisense RNA oligonucleotides for non-systemic gene
suppression in **plants** and **plant** pathogens
IN Huang, Shihshieh; Gilbertson, Larry A.
PA USA
SO U.S. Pat. Appl. Publ., 12 pp.
CODEN: USXXCO
DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | US 2006026711 | A1 | 20060202 | US 2005-186196 | 20050720 |
| PRAI | US 2004-589643P | P | 20040721 | | |

L7 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:83570 CAPLUS

TI Induction, suppression and requirement of RNA silencing pathways in virulent *Agrobacterium tumefaciens* infections

AU Dunoyer, Patrice; Himber, Christophe; Voinnet, Olivier

CS CNRS UPR2357, IBMP, Strasbourg, Fr.

SO Nature Genetics (2006), 38(2), 258-263

CODEN: NGENEC; ISSN: 1061-4036

PB Nature Publishing Group

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 12 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2005:422723 BIOSIS

DN PREV200510211879

TI **MicroRNA**-binding viral protein interferes with Arabidopsis development.

AU Chellappan, Padmanabhan; Vanitharani, Ramachandran; Fauquet, Claude M. [Reprint Author]

CS Donald Danforth Plant Sci Ctr, Int Lab Trop Agr Biotechnol, 975 N Warson Rd, St Louis, MO 63132 USA
iltab@danforthcenter.org

SO Proceedings of the National Academy of Sciences of the United States of America, (JUL 19 2005) Vol. 102, No. 29, pp. 10381-10386.

CODEN: PNASA6. ISSN: 0027-8424.

DT Article

LA English

ED Entered STN: 19 Oct 2005

Last Updated on STN: 19 Oct 2005

L7 ANSWER 4 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 1

AN 2005:74906 AGRICOLA

DN IND43744480

TI Loss of Function of OsDCL1 Affects **MicroRNA** Accumulation and Causes Developmental Defects in Rice.

AU Liu, Bin; Li, PingChuan; Li, Xin; Liu, ChunYan; Cao, ShouYun; Chu, ChengCai; Cao, XiaoFeng

AV DNAL (450 P692)

SO Plant physiology, 2005 Sep. Vol. 139, no. 1 p. 296-305

ISSN: 0032-0889

NTE Includes references

DT Article

FS Other US

LA English

L7 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1231689 CAPLUS

DN 144:206393

TI **RNA interference** - a powerful tool for regulation of gene expression

AU Struncova, S.; Borska, R.; Kusenda, B.; Mejstrik, P.; Dvorakova, D.; Mayer, J.; Pospisilova, S.

CS Internal Hematological Clinic, Fac. Hospital, Center for Molecular Biology
Gene Therapy, Brno, Czech Rep.
SO Biologické Listy (2005), 70(3), 231-247
CODEN: BILJAC; ISSN: 0366-0486
PB Ústav Molekulární Genetiky AV ČR
DT Journal; General Review
LA Czech

L7 ANSWER 6 OF 12 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2006) on STN

AN 2004:41297 AGRICOLA

DN IND43641689

TI Probing the **microRNA** and small interfering RNA pathways with
virus-encoded suppressors of RNA silencing.

AU Dunoyer, P.; Lecellier, C.H.; Parizotto, E.A.; Himber, C.; Voinnet, O.

AV DNAL (QK725.P532)

SO Plant cell, 2004 May Vol. 16, no. 5 p. 1235-1250

ISSN: 1040-4651

NTE Includes references

DT Article

FS Other US

LA English

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:434915 CAPLUS

DN 141:49130

TI The action of ARGONAUTE1 in the miRNA pathway and its regulation by the
miRNA pathway are crucial for **plant** development

AU Vaucheret, Herve; Vazquez, Franck; Crete, Patrice; Bartel, David P.

CS Laboratoire de Biologie Cellulaire, Institut Jean-Pierre Bourgin, INRA,
Versailles, 78026, Fr.

SO Genes & Development (2004), 18(10), 1187-1197

CODEN: GEDEEP; ISSN: 0890-9369

PB Cold Spring Harbor Laboratory Press

DT Journal

LA English

RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:684653 CAPLUS

DN 141:326277

TI Advances in study of **RNA interference** and its
botanical significance

AU Niu, Lili; An, Lijia

CS Department of Bioscience and Biotechnology, Dalian University of
Technology, Dalian, 116024, Peop. Rep. China

SO Fenzi Zhiwu Yuzhong (2004), 2(3), 429-435

CODEN: FZYEAQ; ISSN: 1672-416X

PB Fenzi Zhiwu Yuzhong Bianjibu

DT Journal; General Review

LA Chinese

L7 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:298819 CAPLUS

DN 140:401846

TI **MicroRNAs**: tiny but not trivial

AU Tam, Wayne

CS Department of Pathology & Laboratory Medicine, Weill Medical College of
Cornell University, New York, NY, 10021, USA

SO Current Genomics (2004), 5(3), 191-205

CODEN: CGUEA8; ISSN: 1389-2029

PB Bentham Science Publishers Ltd.
DT Journal; General Review
LA English
RE.CNT 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:555276 CAPLUS
DN 139:193083
TI Evidence for nuclear processing of **plant micro**
RNA and short interfering RNA precursors
AU Papp, Istvan; Mette, M. Florian; Aufsatz, Werner; Daxinger, Lucia;
Schauer, Stephen E.; Ray, Animesh; van der Winden, Johannes; Matzke,
Marjori; Matzke, Antonius J. M.
CS Institute of Molecular Biology, Austrian Academy of Sciences, Salzburg,
A-5020, Austria
SO Plant Physiology (2003), 132(3), 1382-1390
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Biologists
DT Journal
LA English
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:928980 CAPLUS
DN 138:165713
TI A viral suppressor of RNA silencing differentially regulates the
accumulation of short interfering RNAs and **micro-RNAs**
in tobacco
AU Mallory, Allison C.; Reinhart, Brenda J.; Bartel, David; Vance, Vicki B.;
Bowman, Lewis H.
CS Department of Biological Sciences, University of South Carolina, Columbia,
SC, 29208, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (2002), 99(23), 15228-15233
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:184441 CAPLUS
DN 137:73904
TI **RNAi**: nature abhors a double-strand
AU Hutvagner, Gyorgy; Zamore, Phillip D.
CS Department of Biochemistry and Molecular Pharmacology, University of
Massachusetts Medical School, Worcester, MA, 01655, USA
SO Current Opinion in Genetics & Development (2002), 12(2), 225-232
CODEN: COGDET; ISSN: 0959-437X
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:10:59 ON 15 MAR 2006)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 12:11:26 ON 15 MAR 2006

=> d his

(FILE 'HOME' ENTERED AT 12:10:59 ON 15 MAR 2006)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 12:11:26 ON 15 MAR 2006

L1 13271 S (RNA INTERFERENCE OR RNAI)
L2 3807997 S PLANT
L3 1020723 S (TRANSGENIC OR TRANSFORM?)
L4 541 S L1 AND L2 AND L3
L5 2250 S (MICRO-RNAS OR MICRORNAS OR MICRO-RNA OR MICRORNA)
L6 14 S L4 AND L5
L7 12 DUP REM L6 (2 DUPLICATES REMOVED)